TFT LCD MONITOR

USER MANUAL

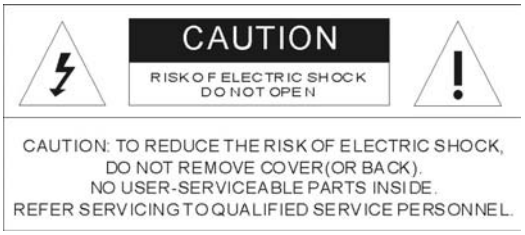
LCD104AVL – LED Back Light

CE

WARNING:

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.
DO NOT INSERT ANY METALLIC OBJECT THROUGH VENTILATION GRILLS.

CAUTION:


CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER(OR BACK).
NO USER-SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

Explanation of Graphical Symbols

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of un-insulated “dangerous voltage” within the product=s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

Precautions

Safety----------

Should any liquid or solid object fall into the cabinet, unplug the unit and have it checked by the qualified personnel before operating it any further.

Unplug the unit from the wall outlet if it is not going to be used for several days or more. To disconnect the cord, pull it out by the plug. Never pull the cord itself.

Allow adequate air circulation to prevent internal heat built-up. Do not place the unit on surfaces(rugs, blankets, etc.) or near materials (curtains, draperies) that may block the ventilation holes.

Installation----------

Do not install the unit in an extremely hot or humid place or in a place subject to excessive dust or mechanical vibration.

The unit is not designed to be waterproof. Exposure to rain or water may damage the unit.

Cleaning----------

Clean the unit with a slightly damp soft cloth. Use a mild household detergent. Never use strong solvents such as thinner or benzene as they might damage the finish of the unit.

Retain the original carton and packing materials for safe transport of this unit in the future.

Safety Precautions

Federal Communications Commission (FCC) Statement

This Equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

● You are cautioned that changes or modifications not expressly approved by that party responsible for compliance could void your authority to operate the equipment.

This device complies with Part 15 FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference.
(2) This device must accept any interference received including interference that may cause undesired

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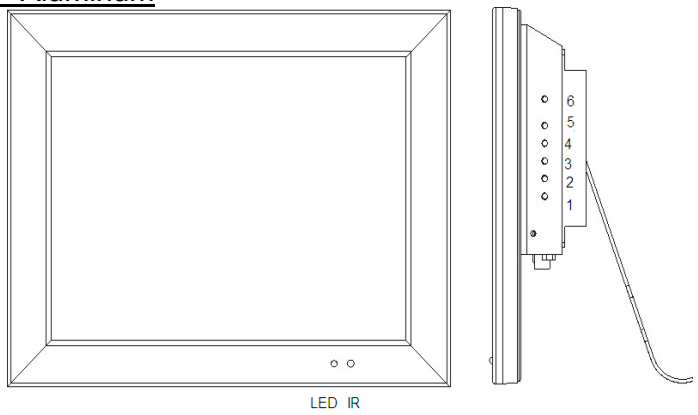
Features
LCD104AVL

- Display Pixels 800 x 600
- Compatible with VGA (640 x 480), SVGA(800 x 600).
- Video input support NTSC / PAL standard.
- High brightness of 400 nit
- High contrast 400:1
- View of 130˚/140˚ vertical and horizontal.
- ACC, AGC and DCGC (Digital Chroma Gain control).
- LCD response time of 25ms.
- Support IR remote controller
- Build-in 2W speaker.
- VESA standard (100mm x 100mm)bracket
- Wall mountable capability.

Operating Instructions-Control

Frame type:

10.4” Aluminum



Key Board

6. Power

Push to turn on and turn off the unit.

LED Green light: Power on

LED Red light: Standby mode.

**4.5. Adjust / **

Select input signal from AV1..AV2. or PC

Increase or decrease the value on OSD menu.

Used as UP or Increase value on the OSD Menu.

Used as DOWN or Decrease value on the OSD Menu

2. Menu/Function

Push to call out OSD menu.

Used as Confirm / OK function in OSD menu.

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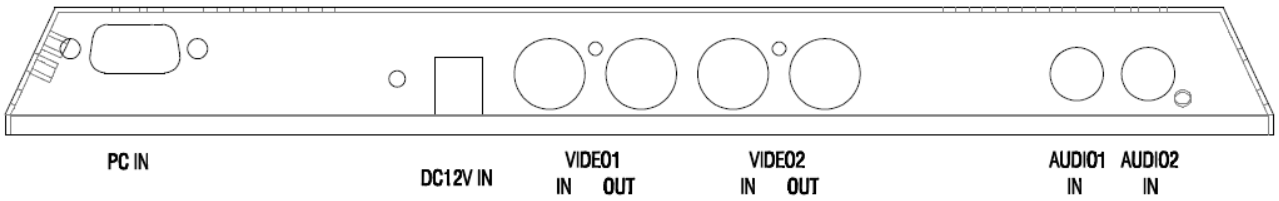


1: Regulated DC12V Power Input

2: AUDIO IN

Audio Signal Input, this input is for Video 1 and Video 2 or PC .

3: VIDEO 1 IN/OUT

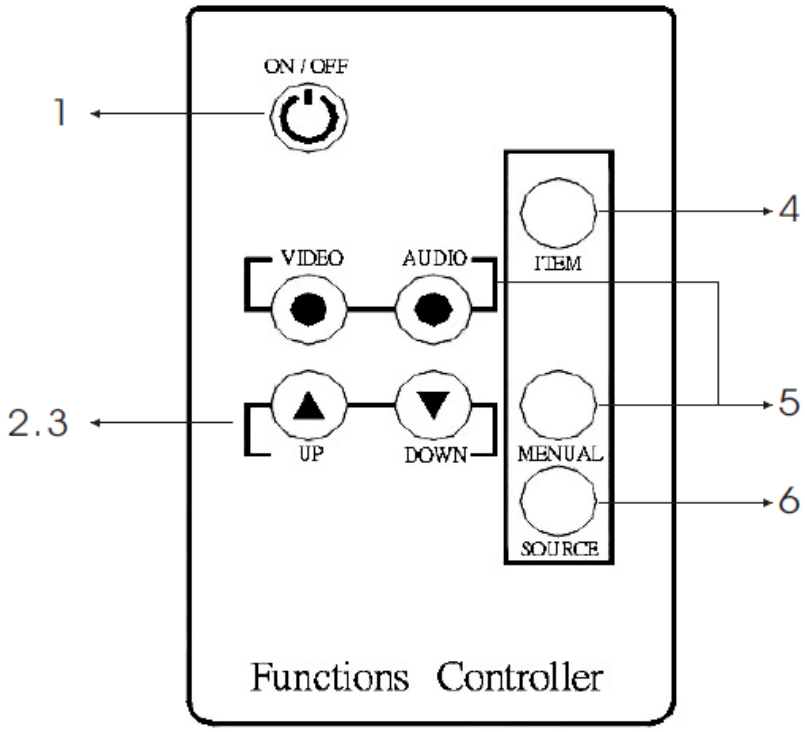
Video1 Signal Input & output,

4: PC IN

5: Video 2 IN/OUT

Video 2 Signal Input & output,

Remote control operation



1. Power

Monitor power ON / OFF. At OFF mode, monitor will be at standby status.

LED- Green Light -- Power On

Red Light -- Standby mode

2. 3. Adjust UP/DOWN

A: Select input signal from AV1, AV2, **or PC**

Increase or decrease the value on OSD menu.

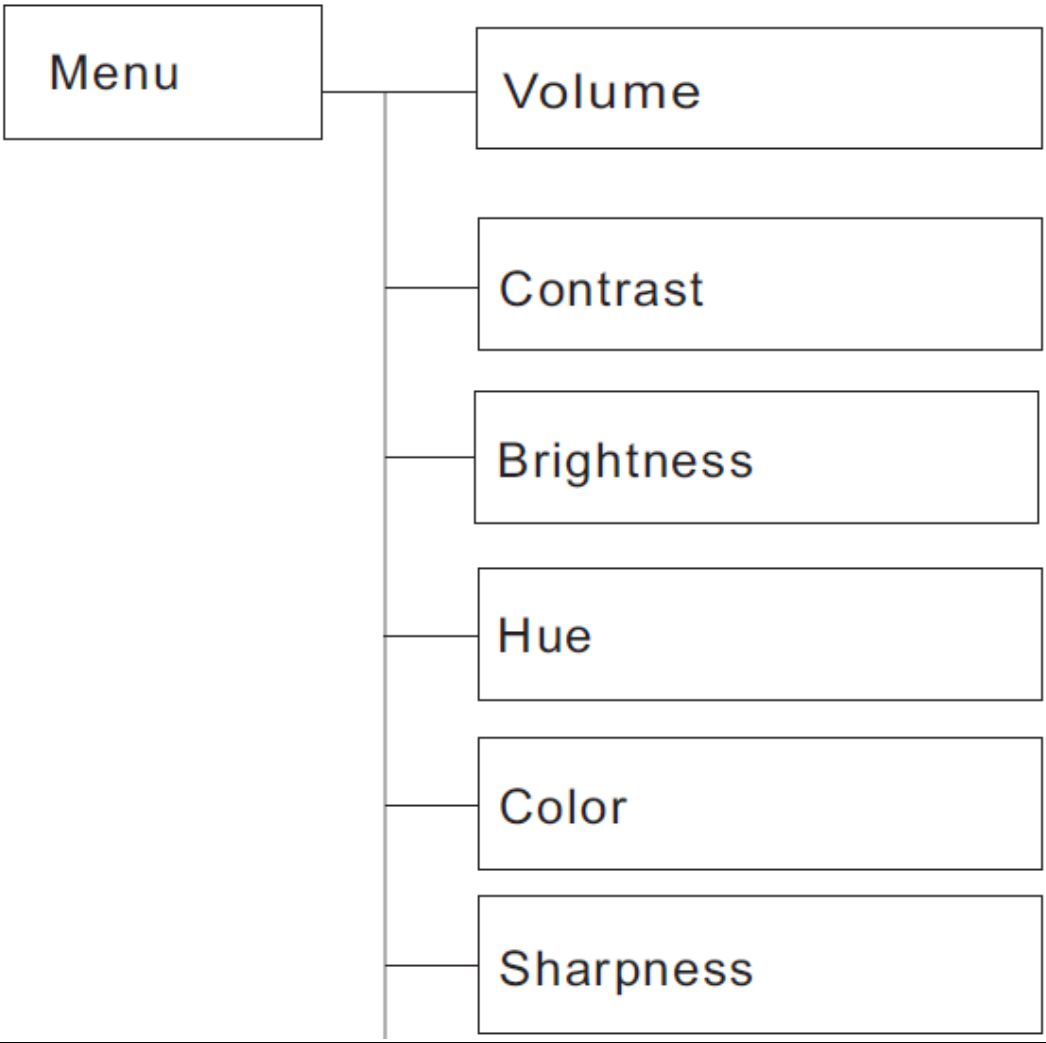
UP Increase value on the OSD Menu.

B: DOWN Decrease value on the OSD Menu.

5. Menu

OSD menu selection.

OSD Function

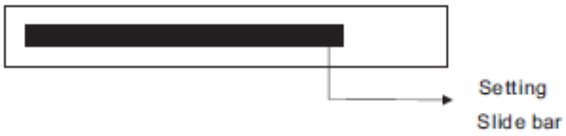


Under AV1, AV2, S-Video Mode:
Press the MENU button bring up the OSD menu.
Press UP/ DOWN to increase or decrease value on the OSD menu.

Volume: Control built-in speakers output volume.

Contrast: Permits adjustment for contrast between light or dark areas of the picture.

Example:



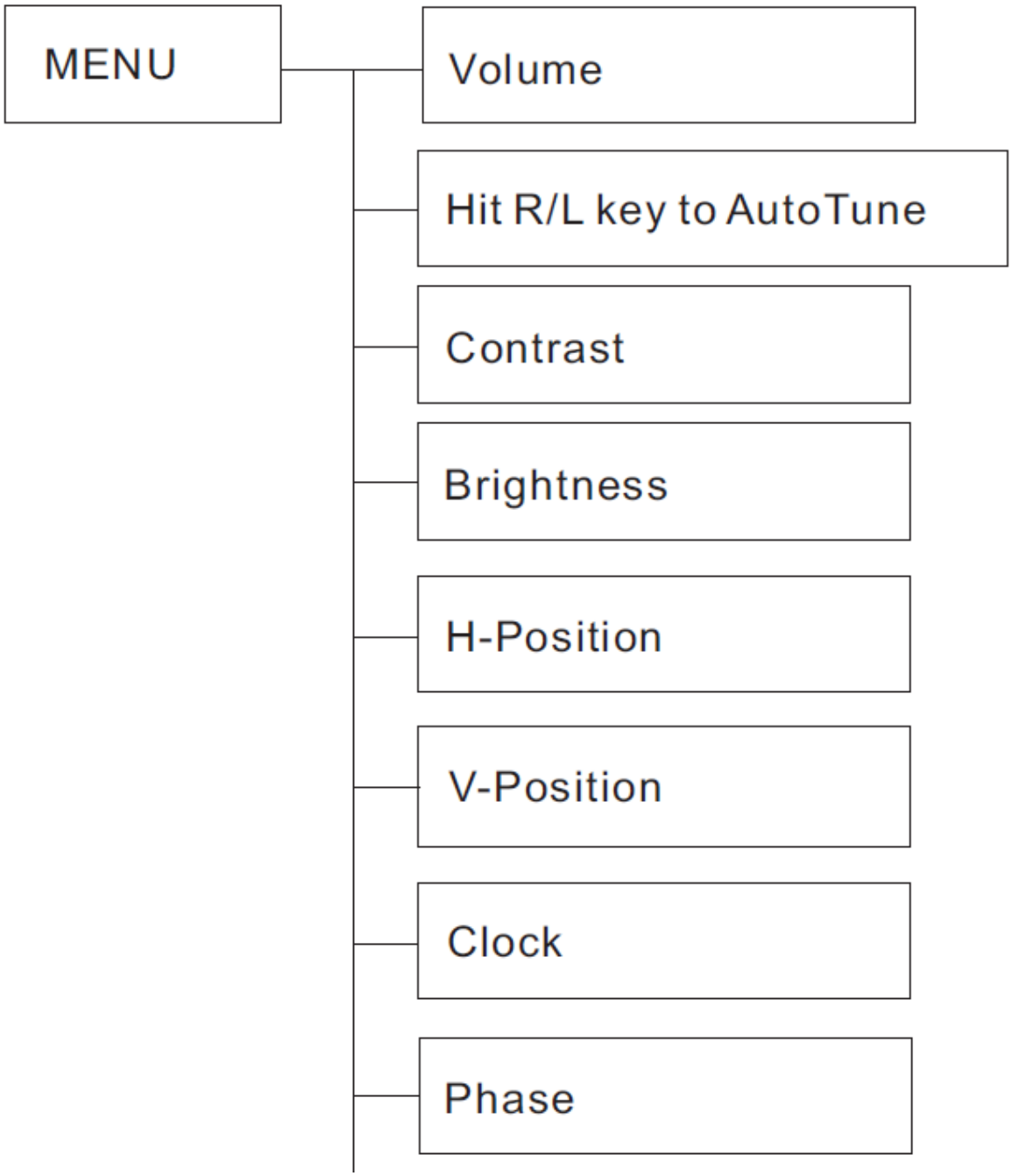
Brightness: Adjusts the overall picture shade and brightness.
Tip: Use the Brightness to make details in the dark areas
Of the picture to be just visible, and Contrast to
"brighten" the picture without causing noises and
Foreheads to turn white.

Hue: Adjust all the colours on the screen, but is most noticeable to the eye in reds and yellows, and is also usually set for Pleasing face tones.

Colour : Adds colouring to the black and white picture content(of a colour signal), and is usually set for viewer's preference in colour saturation.

Sharpness: Sets the desired sharpening enhancement to the picture.

PC Mode Function:



Under Image mode:

Press the MENU button bring up the OSD menu.

Press UP/DOWN to increase or decrease value on the OSD menu.

Hit R/L key to Auto Tune: Automatically selects the optimal settings for image parameters.

Contrast : Adjusts background black level of the screen image.

Brightness : Adjusts background black level of the screen image.

V-Position : Controls the picture vertical position

Clock : Adjust the internal pix clock lag in order to optimize the screen image
.
Phase : Adjust the internal clock time lag in order to optimize the screen image.

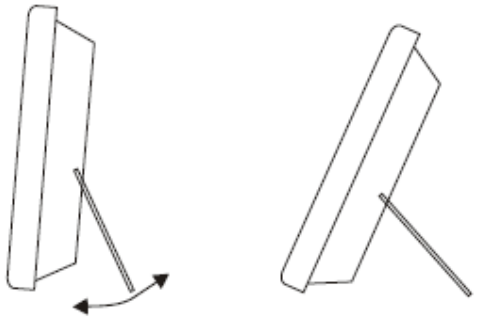
Reset All : Returns all controls back to factory setting

Pc Timing

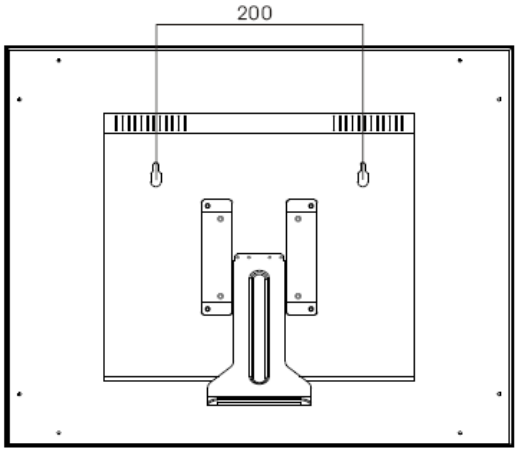
640 x 480 60Hz	800 x 600 60Hz
640 x 480 72Hz	800 x 600 72Hz
640 x 480 75Hz	800 x 600 75Hz

LCD monitor Mounting Guide

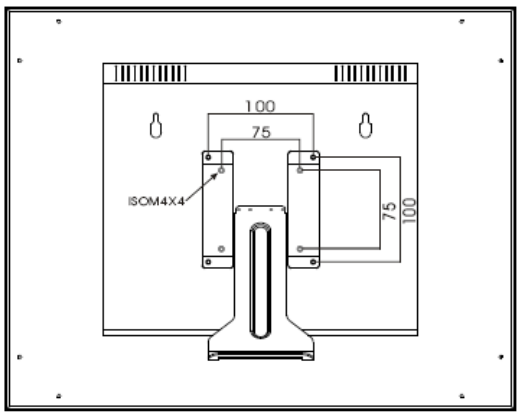
A. Desktop
Adjust the viewing angle of LCD to fit most comfortable monitoring status.



B. Wall mount
Free your space with wall mount design
Please follow the fix-hole size in back panel to install the LCD to the wall



C. VESA Bracket



Specification

Model		**LCD104AVL**
LCD Panel		**10.4 TFT LCD**
Display area		**262K**
Resolution		**211.20 x 158.40**
Brightness		**800 x 600(SVGA)**
Contrast Ratio		**400**
Response Time(Tr + tf)		**400**
Vies angle	**L / R**	**70/70**
	U / D	**60/70**
Input / Out Signal		**1.0 Vp-p Composite** — BNC x 2 Input, BNC x 2 Output (Auto Termination) **VGA** — D-Sub 15 Pin Input
DC Jack		**DC Jack(in) x 1 DC12V-IN**
Audio In/Out		**RCA(IN) x 2, (OUT) x 1 2W/8ohm**
Operating		**Power On/OFF OSD Control Function**
Power Supply		**W/Power Adapter In: AC 96~260V/ 50/ 60Hz Out:DC12V 3.5A**
Power Consumption		**11.2W**
Dimension(with stand)		**228 x 180 x 65mm**
Wight		**1.8kg**
Environment		**Operating : 0℃~40℃ / Humidity : 10% ~85%** **Storage : -20℃~60℃ / Humidity :10% ~85%**

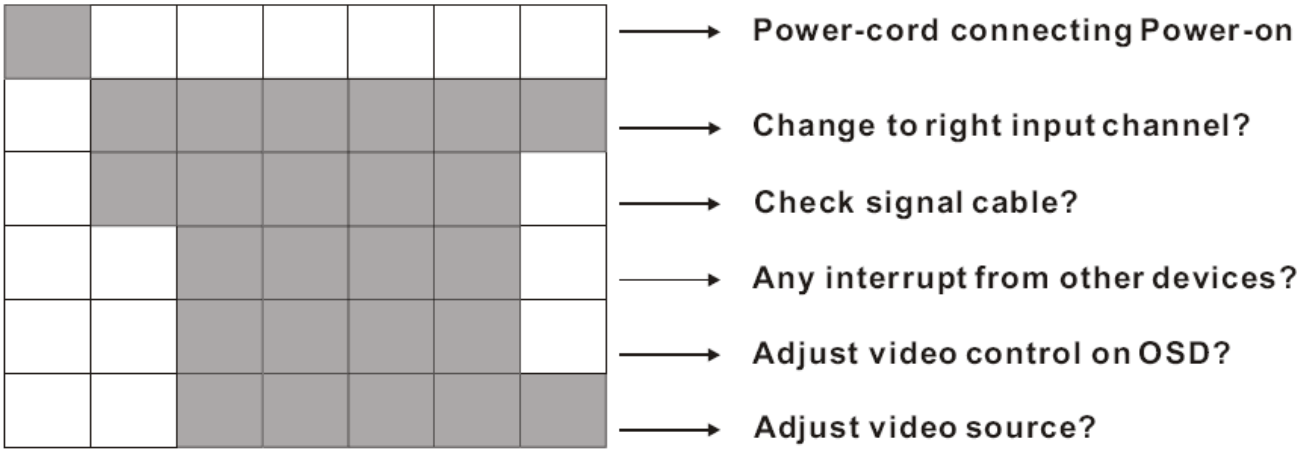
Appendixes

A. TROUBLE SHOOTING

Problem:

1.No power
2.No video or audio
3.Bad video or audio
4.Image not stable
5.Ab-normal line
6.Ghost image
7.Desired video disappear

Checking:


Power-cord connecting Power-on
Change to right input channel?
Check signal cable?
Any interrupt from other devices?
Adjust video control on OSD?
Adjust video source?

Package List

A. LCD Monitor x1
B. Power Cord x1
C. Accessory Kit
  a. DB15-DB15VGA Cable x 1
  b. 1/8” male to 1/8” male audio cable x1
D. User Manual x1
E. 12V Power Adapter x1
F. Remote Control x1